

GenCore version 5.1.4.D5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2003, 12:16:13 ; Search time 245.37 Seconds
(without alignments)
9688.871 Million cell updates/sec

Title: US-08-978-217-15

Perfect score: 7752
Sequence: 1 GGATCCTCCAGCACTGA.....CAGAGGGGCTCTGATCC 7752

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapept 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

- 1: /cgn2_6/ptodaca/1/ina/5A.COMB.seq:*
- 2: /cgn2_6/ptodaca/1/ina/5B.COMB.seq:*
- 3: /cgn2_6/ptodaca/1/ina/6A.COMB.seq:*
- 4: /cgn2_6/ptodaca/1/ina/6B.COMB.seq:*
- 5: /cgn2_6/ptodaca/1/ina/PCTUS.COMB.seq:*
- 6: /cgn2_6/ptodaca/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	215.6	2.8	1920	US-08-746-789A-1	Sequence 1, Appli
2	123.6	1.6	5973	US-09-245-041-4	Sequence 4, Appli
3	115.4	1.5	852	US-09-020-956-44	Sequence 44, Appli
4	115.4	1.5	852	US-09-030-607-44	Sequence 44, Appli
5	115.4	1.5	852	US-09-605-785-44	Sequence 44, Appli
6	115.4	1.5	852	US-09-439-313-44	Sequence 44, Appli
7	115.4	1.5	852	US-09-352-616A-44	Sequence 44, Appli
8	115.4	1.5	852	US-09-232-149A-44	Sequence 44, Appli
9	115.4	1.5	5427	US-09-009-913-2	Sequence 2, Appli
10	115.4	1.5	5510	US-09-009-913-3	Sequence 3, Appli
11	115.4	1.5	5667	US-09-009-913-4	Sequence 4, Appli
12	115.4	1.5	7208	US-09-166-186-107	Sequence 107, App
13	115.4	1.5	7208	US-09-313-932-107	Sequence 107, App
14	114.4	1.5	71056	US-09-245-041-3	Sequence 3, Appli
15	112	1.4	51259	US-08-781-891-209	Sequence 209, App
16	110.4	1.4	2411	US-09-188-930-75	Sequence 75, Appli
17	110.4	1.4	2411	US-09-188-930-256	Sequence 256, App
18	109	1.4	17056	US-09-245-041-3	Sequence 3, Appli
19	107.6	1.4	90050	US-09-245-041-5	Sequence 5, Appli
20	107.4	1.4	848	US-09-009-913-338	Sequence 338, App
21	107.4	1.4	90050	US-09-245-041-5	Sequence 5, Appli
22	106.6	1.4	48974	US-08-920-422-17	Sequence 17, Appli
23	106.4	1.4	5000	US-09-303-769-45	Sequence 45, Appli
24	106.4	1.4	6727	US-08-629-643A-5	Sequence 5, Appli
25	106.4	1.4	6727	US-09-280-799-1	Sequence 1, Appli
26	106.4	1.4	6727	US-09-155-884-5	Sequence 5, Appli
27	106.4	1.4	35828	US-09-449-218D-17	Sequence 17, Appli

28	106.2	1.4	4550	US-09-338-907-182	Sequence 182, App
29	106.2	1.4	4550	US-09-218-207-182	Sequence 182, App
30	105.4	1.4	3217	US-09-232-200-64	Sequence 64, Appli
31	105.4	1.4	3217	US-09-232-197-64	Sequence 64, Appli
32	105.4	1.4	3217	US-09-232-201-64	Sequence 64, Appli
33	104.8	1.4	7874	US-09-780-175-96	Sequence 96, Appli
34	104.8	1.4	37950	US-09-338-907-183	Sequence 183, App
35	104.8	1.4	37950	US-09-218-207-183	Sequence 183, App
36	104.4	1.3	48974	US-08-920-422-17	Sequence 17, Appli
37	104.2	1.3	3364	US-08-735-609-9	Sequence 9, Appli
38	104.2	1.3	3364	US-08-735-609-9	Sequence 9, Appli
39	104.2	1.3	3364	US-09-315-372-9	Sequence 9, Appli
40	104.2	1.3	3364	US-09-244-752-9	Sequence 9, Appli
41	104.2	1.3	3364	US-09-245-497-9	Sequence 9, Appli
42	104.2	1.3	3364	US-09-562-919-9	Sequence 9, Appli
43	103.4	1.3	3293	US-07-923-976-1	Sequence 1, Appli
44	102.8	1.3	4698	US-07-807-043B-5	Sequence 5, Appli
45	102.8	1.3	4698	US-08-299-849B-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1
US-08-746-789A-1
Sequence 1, Application US/08746789A
Patent No. 5789200
GENERAL INFORMATION:
APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck
TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3
NUMBER OF SEQUENCE ADDRESSES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road, P.O. Box 1539
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
COMPUTER: IBM 486
OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
SOFTWARE: MICROSOFT WORD
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/746,789A
FILING DATE: No. 5789200elember 15, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: William T. Han 34,344
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: ATG 50024
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610 270 5219
TELEFAX: 610 270 4026
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1920
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: No
US-08-746-789A-1

Query Match 2.8%; Score 215.6; DB 1; Length 1920;
Best Local Similarity 65.6%; Pred. No. 1.6e-49;
Matches 449; Conservative 0; Mismatches 204; Indels 31; Gaps 8;

Qy 6999 AGGATTAATCAAAACGGAGATCTGAGACGGGTGATGCCGACGGCTGTCTACAG 7058
Db 1114 AGGATTAATCAAAACGGAGATCTGAGACGGGTGATGCCGACGGCTGTCTACAG 1173

QY 7059 TTGGCAAGAACTCTAGTGGCTGGAAGAAAGAGTTGAGAGATTCGGAATTAAGGA 7118
DB 1174 TTGGCAAAAACTCAAGGGCTGGAAGAGAAAGATTCTCGAAGTGGAACTGAGGG 1233
QY 7119 TCGGGAGTGAAGCCAGAGCTGACTGAGCATGAATCCAGAACTGAACCTTCTCGAA 7178
DB 1234 TTGGAATCTATACCCGGGACCAAACTCAAGGACCTCGAGGCTCGCAAACTTCTCGGGA 1293
QY 7179 GGACAGGAGGCTGACGCGCCCTTAACATGATGATGTTCCCTGTTGCTGATGAGAG 7238
DB 1294 GGACAGGAGGCTGACGCGCTGAGGAAATGCTCCAGCTGCTGCTGAGAG 1352
QY 7239 GAAGAACTGTTGGGCGTGGCTCTGC---AGTCTCTCAATGAGACCTTGGGCTC-- 7293
DB 1353 AAGCTGATGTTTGGTGTATGTCAGCCATGCTCTGGGACTCGGAGACTATGGCTGCG 1412
QY 7294 --TCTCTGCGCTCTTGGAAATTAACAAGCCCGGGTTGAACCAACTGTTGCA----- 7345
DB 1413 CTCCCGACCTCTCTTGGAAATTAACAAGCCCTGGGGTTGAAGTGAAGTATGACTGCA 1472
QY 7346 -----TAACTCTTCCAGCTGTGATTCAGTTCCTCCCTCCCAATGAGACTGCA 7397
DB 1473 AGTGAATCTCTTATATCTGTGCTCTCTCAAACTCAAGTCTCAAGACTTAAATGCAACA 1532
QY 7398 ATGAGACCCAGCTGAGATGCTGCTGAGCCCAAGAGAGCTGGGAGACTGTGAGAGA 7457
DB 1533 AACCTTCTCTCTGAGACACCTGAGCTGAGCCCAAGAGAGCTGGG--GAGGGCTGAGG 1590
QY 7458 GACTGCAAGGAGGAGGAGGAGGAGGCTGTGCTCTGCG---TACTCTCTGAGTGCCTTC 7513
DB 1591 GAGCACCGTGAAGAGAGACAGAGAGGGGCTCCAGCACTTCTTCTGAGCTGCGCTT 1650
QY 7514 CACCTCTTGTCTCAGTACCTCAGGCTCCAGAGAGGGGGTGGATCA--TCCCTAATTTAG 7572
DB 1651 CACCTCCCTGCTGAGGCTGTTGGCTCCAGAGGGGCTCAGAGCACTCCCAATTTAG 1710
QY 7573 TGC--TATAATATTCAGAGTGTATATAGAGCTATTTTCTAAAGACTTCCCTCC 7630
DB 1711 TGCTATATTAATATGTCAGATGTACATAGAGATCTATTTTCTAATAAATCCCTCC 1770
QY 7631 CTGCTCTTCTCCAGTGAAGTGTGG 7654
DB 1771 CACTCCTCTCCACAGAGTGTGG 1794

RESULT 2

US-09-245-041-4
; Sequence 4, Application US/09245041
; Patent No. 6274339
; GENERAL INFORMATION:
; APPLICANT: Moore, K.
; APPLICANT: Nagle, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; EARLIER FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/093,630
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/104,978
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 4
; LENGTH: 5973
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-041-4

Query Match 1.6%; Score 123.6; DB 4; Length 5973;
Best Local Similarity 67.4%; Pred. No. 1.2e-23;
Matches 174; Conservative 0; Mismatches 84; Indels 0; Gaps 0;

QY 1841 TTGTCTGATGTTTAAATTTTCAAGACAGATTCTCTGTGAGCCCTGCTCTG 1900
DB 5390 TTCTTTTCAATTTTCGGTTTTTCAAGACAGGTTTCTCTGTATAGCCCTGGCTGCTG 5449
QY 1901 GAATCACTCTGTGTAGACAAAGGCTGCTCGAACTCAGAAATCTTACCTCTACTTAC 1960
DB 5450 GAATCACTCTGTGTAGACAAAGGCTGCTCGAACTCAGAAATCTGCTGCTGCTGCC 5509
QY 1961 GAGTCTGGATTAAGATGTGCGCTGCTCCACCCCAATTTGTTTGT 2020
DB 5510 AATGCTGGATTAAGATGTGCTGCTCCACACCACTTAAAGATTTCTTACTTAA 5569
QY 2021 AGGCGCCGTAACAGTAATTAACATGTCATCTGTTGTCTGTATGACTCAA 2080
DB 5570 ATATATTTCTAAATTAATTAATGTTGAATCTGTTCAATCTTTTGAACAACAAACAG 5629
QY 2081 TGTGGGCTTCTGACCAC 2098
DB 5630 CATTTTTCATTTCTAC 5647

RESULT 3

US-09-020-956-44/C
; Sequence 44, Application US/09020956
; Patent No. 6261562
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillin, Davin C.
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
; NUMBER OF SEQUENCES: 178
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,956
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.427C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 852 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
US-09-020-956-44

Query Match 1.5%; Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 6258 CCCGAGAGTACTCACTCTGTGGAGTTATCCGAGACATCTCTAATCCACCCGAGCTCAA 6317
DB 401 CCCGAGAGGAGCTCACTTATGGAATTCATCCGAGACATCTCTTGAACCCAGACAGAA 342

QY 6318 CGAAGCCTTATGATGGAGAACCGGACAGGGTGTGTTCAAGTTTCTTCGCTCAGA 6377
DB 341 CCCAGGATTATAAATGAAGACCCGATCGAGGGGCTTTCAGTTCTTGAATCAGA 282
QY 6378 GGGCGTGGCCCACTCTGGGGCCGAGAGAGAACAGCAACATGACCTATGAGAACT 6437
DB 281 GGCAGTGGCTCAGCTATAGGGGTAAAGAGAACACAGCAGCATGACTATGAAAACT 222
QY 6438 GAGCCGAGCCATGAGGT 6454
DB 221 CAGCCGAGCTATGAGAT 205
RESULT 4
US-09-030-607-44/C
Sequence 44, Application US/09030607
Patent No. 6262245
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE CANCER AND METHODS FO
NUMBER OF SEQUENCES: 224
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/030.607
FILING DATE: 25-FEB-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.427C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 852 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
US-09-030-607-44
Query Match 1.5%; Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
QY 6258 CCCAGAGTACTACCTGTGGAGATTATCCGAGACATCTTAATCCACCCGAGCTCAA 6317
DB 401 CCCAGAGGAGCTACTATTATGGAATTCATCCGACATCTCTTGAACCCAGACAAGAA 342
QY 6318 CGAAGCCTTATGATGGAGAACCGGACAGGGTGTGTTCAAGTTTCTTCGCTCAGA 6377
DB 341 CCCAGGATTATAAATGAAGACCCGATCGAGGGGCTTTCAGTTCTTGAATCAGA 282
QY 6378 GGGCGTGGCCCACTCTGGGGCCGAGAGAGAACAGCAACATGACCTATGAGAACT 6437
DB 281 GGCAGTGGCTCAGCTATAGGGGTAAAGAGAACACAGCAGCATGACTATGAAAACT 222
QY 6438 GAGCCGAGCCATGAGGT 6454

DB 221 CAGCCGAGCTATGAGAT 205
RESULT 5
US-09-605-785-44/C
Sequence 44, Application US/09605785
Patent No. 6321716
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C16
CURRENT APPLICATION NUMBER: US/09/605,785
NUMBER OF SEQ ID NOS: 835
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(852)
OTHER INFORMATION: n = A,T,C or G
US-09-605-785-44
Query Match 1.5%; Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
QY 6258 CCCAGAGTACTACCTGTGGAGATTATCCGAGACATCTTAATCCACCCGAGCTCAA 6317
DB 401 CCCAGAGGAGCTACTATTATGGAATTCATCCGACATCTCTTGAACCCAGACAAGAA 342
QY 6318 CGAAGCCTTATGATGGAGAACCGGACAGGGTGTGTTCAAGTTTCTTCGCTCAGA 6377
DB 341 CCCAGGATTATAAATGAAGACCCGATCGAGGGGCTTTCAGTTCTTGAATCAGA 282
QY 6378 GGGCGTGGCCCACTCTGGGGCCGAGAGAGAACAGCAACATGACCTATGAGAACT 6437
DB 281 GGCAGTGGCTCAGCTATAGGGGTAAAGAGAACACAGCAGCATGACTATGAAAACT 222
QY 6438 GAGCCGAGCCATGAGGT 6454
DB 221 CAGCCGAGCTATGAGAT 205
RESULT 6
US-09-439-313-44/C
Sequence 44, Application US/09439313
Patent No. 6329505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise

```
APPLICANT: Jiang Yugu
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solik, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/439,313
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(852)
OTHER INFORMATION: n = A,T,C or G
US-09-439-313-44
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Query Match 1.5% Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
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OY 6258 CCCGAGGTAAGTCTGAGGATTTATCCGAGACATCTTAATCCACCCGAGCTCA 6317
DB 401 CCCGAGGAGGACTCACTTATGGAAATTCATCCGACATCTTGAACCCGAGACAGA 342
OY 6318 CGAAGCCTCATGAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCAGA 6377
DB 341 CCCAGATTATTAATAATGGAGAACCGATCTAGAGGCGCTTCAGGTTCTTAATCAGA 282
OY 6378 GGCCGTGGCCCACTCTGGGGCCAGAGAAAGAACGAAACATGACCTATGAGAAGCT 6437
DB 281 GGCACTGGCTCAGTATGGGGTAAAGAAAGAACAGACATGACCTATGAAAAGCT 222
OY 6438 GAGCCGAGCATGAGGT 6454
DB 221 CAGCCGAGCTATGAGAT 205
US-09-232-149A-44
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RESULT 7
US-09-352-616A-44/C
Sequence 44, Application US/09352616A
Patent No. 6395278
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang, Yugu
APPLICANT: Xu, Jianshun
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
FILE REFERENCE: 210121.427C8
CURRENT APPLICATION NUMBER: US/09/352,616A
CURRENT FILING DATE: 1999-07-13
NUMBER OF SEQ ID NOS: 472
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(852)
OTHER INFORMATION: n = A,T,C or G
US-09-352-616A-44
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Query Match 1.5% Score 115.4; DB 4; Length 852;
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Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
OY 6258 CCCGAGGTAAGTCTGAGGATTTATCCGAGACATCTTAATCCACCCGAGCTCA 6317
DB 401 CCCGAGGAGGACTCACTTATGGAAATTCATCCGACATCTTGAACCCGAGACAGA 342
OY 6318 CGAAGCCTCATGAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCAGA 6377
DB 341 CCCAGATTATTAATAATGGAGAACCGATCTAGAGGCGCTTCAGGTTCTTAATCAGA 282
OY 6378 GGCCGTGGCCCACTCTGGGGCCAGAGAAAGAACGAAACATGACCTATGAGAAGCT 6437
DB 281 GGCACTGGCTCAGTATGGGGTAAAGAAAGAACAGACATGACCTATGAAAAGCT 222
OY 6438 GAGCCGAGCATGAGGT 6454
DB 221 CAGCCGAGCTATGAGAT 205
US-09-232-149A-44
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RESULT 8
US-09-232-149A-44/C
Sequence 44, Application US/09232149A
Patent No. 6465611
GENERAL INFORMATION:
APPLICANT: Xu, Jianshun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer Lynn
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY OF PROSTATE
FILE REFERENCE: 210121.427C6
CURRENT APPLICATION NUMBER: US/09/232,149A
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 338
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 44
LENGTH: 852
TYPE: DNA
ORGANISM: Homo sapien
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(852)
OTHER INFORMATION: n = A,T,C or G
US-09-232-149A-44
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Query Match 1.5% Score 115.4; DB 4; Length 852;
Best Local Similarity 74.1%; Pred. No. 6.5e-22;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;
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OY 6258 CCCGAGGTAAGTCTGAGGATTTATCCGAGACATCTTAATCCACCCGAGCTCA 6317
DB 401 CCCGAGGAGGACTCACTTATGGAAATTCATCCGACATCTTGAACCCGAGACAGA 342
OY 6318 CGAAGCCTCATGAGTGGAGAACCGGACAGAGGTGTGTTCAAGTTCTTCGCTCAGA 6377
DB 341 CCCAGATTATTAATAATGGAGAACCGATCTAGAGGCGCTTCAGGTTCTTAATCAGA 282
OY 6378 GGCCGTGGCCCACTCTGGGGCCAGAGAAAGAACGAAACATGACCTATGAGAAGCT 6437
DB 281 GGCACTGGCTCAGTATGGGGTAAAGAAAGAACAGACATGACCTATGAAAAGCT 222
OY 6438 GAGCCGAGCATGAGGT 6454
DB 221 CAGCCGAGCTATGAGAT 205
US-09-009-913-2
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RESULT 9
US-09-009-913-2
Sequence 2, Application US/09009913
Patent No. 6087485
GENERAL INFORMATION:
APPLICANT: Axxis Pharmaceuticals, Inc.
TITLE OF INVENTION: Asthma Related Genes
```

```

NUMBER OF SEQUENCES: 339
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bozicevic & Reed, LLP
STREET: 285 Hamilton Ave, Suite 200
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,913
FILING DATE: 21-JAN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEO-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5427 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-09-009-913-2

Query Match 1.5%; Score 115.4; DB 3; Length 5427;
Best Local Similarity 74.1%; Pred.No.2,2e-21;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0.

QY 6258 CCCGAGGTCCTCACCCTGTGGGAATTTATCCGAGACATCCATCCACCCCGAGCTCA 6317
Db 758 CCCGAGGAGGACTCTTATGGAAATTCATCCGACATCTCTTGAACCCAGACAGAA 817
QY 6318 CGAAGGCTCATGAGTGGGAGAACCGGACGAGGATGTGTTCAAGTTTCTTCGCTCAGA 6377
Db 818 CCCAGATTATTAATAATGGAGAACCGATCTGAGGGCCGTCTTCAGGTTCTTGAATCAGA 877
QY 6378 GGCCGTGGCCCAACTCTGGGGCCAGAGAAGAAAGAACAGACAATGACCTTATGAGAACT 6437
Db 878 GGCAGTGTCTGACGTATGGCGTAAAGAAAGAACACACAGACATGACTTATGAAAAGCT 937
QY 6438 GAGCCGAGCATGAGCT 6454
Db 938 GAGCCGAGCTATGAGAT 954

RESULT 10
US-09-009-913-3
; Sequence 3, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301

```

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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,913
FILING DATE: 21-JAN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5510 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-009-913-3

Query March 1.5%; Score 115.4; DB 3; Length 5510;
Best Local Similarity 74.1%; Pred. No. 2.2e-21;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 6258 CCCGAGGACTGACCTGCTGGGAGTTTATCGAGACATCTTAATCCACCCCGACTGAA 6317
DB 841 CCCGAGGAGGACTGACTTATGGAAATCATCCGCGACATCTCTTGAACCCGACAGAA 900
QY 6318 CGAAGGCTCATGAAGTGGGAGAACCCGCAAGAGGTGTGTTCAAGTTTCTCGCTCAG 6377
DB 901 CCCAGGATTAATAAATGGGAAGACCGATCTGAGGGCGTCTTCAGTTCTTGAATAATCGA 960
QY 6378 GGGCGGTGGCCCAACTCTGTGGGCGCAGAAAGAGAAAGCAACATGACCTATGAGAGCT 6437
DB 961 GGCAGTGGCTCAGCTATGTGGGTAATAAAGAAAGACACAGCAGCATGACCTATGAAAAGCT 1020
QY 6438 GAGCCGAGCATGAGGT 6454
DB 1021 CAGCCGAGCTATGAGAT 1037

RESULT 11
US-09-009-913-4
; Sequence 4, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998

```

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 5667 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-009-913-4

Query Match 1.5%; Score 115.4; DB 3; Length 5667;
Best Local Similarity 74.1%; Pred. No. 2.2e-21;
Matches 146; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

Qy 6258 CCCGAGAGTACTCAGCTGTGGAGTTTATCCGAGACATCCATCCACCCCGAGCTCA 6317
Db 998 CCCGAGAGGAGTACTCTTATGGGAATTCATCCGAGACATCCCTTGAACCCGAGACAGA 1057
Qy 6318 CGAAGGCTCATGAAGTGGAGAACCGGACGAGGGTGTGTTCAAGTTTCTTCCTCAGA 6377
Db 1058 CCCAGGATTAATAAATGAGGAAGACCGATCTGAGGGCGCTTCAAGTTCTTGAAATCAGA 1117
Qy 6378 GGGCTGCGCCCACTCTGGGGCCAGAAAGAAAGCAACATGACCTATGAAGCT 6437
Db 1118 GCGATGTGCTCAGTATGGGGTAAAGAAAGAAACAGCAGCAGTATGAAAAAGCT 1177
Qy 6438 GAGCCGAGCATGAGT 6454
Db 1178 CAGCCGAGCTATGAGT 1194

RESULT 12
US-09-166-186-107/c
Sequence 107, Application US/09166186A
Patent No. 6080580
GENERAL INFORMATION:
APPLICANT: Baker, Brenda
APPLICANT: Bennett, C. Frank
APPLICANT: Butler, Madeline M.
APPLICANT: Shanahan, William R.
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF- α EXPRESSION
FILE REFERENCE: ISPH-0322
CURRENT APPLICATION NUMBER: US/09/166,186A
CURRENT FILING DATE: 1998-10-05
NUMBER OF SEQ ID NOS: 250
SEQ ID NO 107
LENGTH: 7208
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (4527..4712,5225..5279,5457..5504,5799..6217)
FEATURE:
NAME/KEY: exon
LOCATION: (4371)..(4712)
FEATURE:
NAME/KEY: intron
LOCATION: (4713)..(5224)
FEATURE:
NAME/KEY: exon
LOCATION: (5225)..(5279)
FEATURE:

NAME/KEY: intron
LOCATION: (5280)..(5456)
FEATURE:
NAME/KEY: exon
LOCATION: (5457)..(5504)
FEATURE:
NAME/KEY: intron
LOCATION: (5505)..(5798)
FEATURE:
NAME/KEY: exon
LOCATION: (5799)..(6972)
PUBLICATION INFORMATION:
AUTHORS: Semon, D.
AUTHORS: Kawashima, E.
AUTHORS: Jongeneel, C.V.
AUTHORS: Shakhov, A.N.
AUTHORS: Nedospasov, S.A.
TITLE: Nucleotide sequence of the murine TNF locus, including the
TITLE: TNF- α (tumor necrosis factor) and TNF- β (lymphotoxin) genes
JOURNAL: Nucleic Acids Res.
VOLUME: 15
ISSUE: 21
PAGES: 9083-9084
DATE: 1987-11-11
DATABASE ACCESSION NUMBER: Y00467 Genbank
DATABASE ENTRY DATE: 1993-05-11
US-09-166-186-107

Query Match 1.5%; Score 115.4; DB 3; Length 7208;
Best Local Similarity 79.2%; Pred. No. 2.6e-21;
Matches 137; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

Qy 1840 TTTTGTCTGTAGTTTATGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCTCT 1899
Db 602 TTTTGTCTGTAGTTTATGTTTTCAGACAGAGTTTCTGTGTAGCCCTGCTGCTCT 543
Qy 1900 GGAATCCTCTGTAGACAGAGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1959
Db 542 GAACTCCTCTGTAGACAGAGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 483
Qy 1960 GAGTGTGCTGATTAAGATGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2012
Db 482 CAGTGTGCTGATTAAGATGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 430

RESULT 13
US-09-313-932-107/c
Sequence 107, Application US/09313932A
Patent No. 6228642
GENERAL INFORMATION:
APPLICANT: Baker, Brenda
APPLICANT: Bennett, C. Frank
APPLICANT: Butler, Madeline M.
APPLICANT: Shanahan, William R.
TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF- α
FILE REFERENCE: ISPH-0356
CURRENT APPLICATION NUMBER: US/09/313,932A
CURRENT FILING DATE: 1999-05-18
NUMBER OF SEQ ID NOS: 501
SEQ ID NO 107
LENGTH: 7208
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (4527..4712,5225..5279,5457..5504,5799..6217)
FEATURE:
NAME/KEY: exon
LOCATION: (4371)..(4712)
FEATURE:
NAME/KEY: intron
LOCATION: (4713)..(5224)
FEATURE:

FEATURE:
NAME/KEY: exon
LOCATION: (5225)..(5279)
FEATURE:
NAME/KEY: intron
LOCATION: (5280)..(5456)
FEATURE:
NAME/KEY: exon
LOCATION: (5457)..(5504)
FEATURE:
NAME/KEY: intron
LOCATION: (5505)..(5798)
FEATURE:
NAME/KEY: exon
LOCATION: (5799)..(56972)
PUBLICATION INFORMATION:
AUTHORS: Semon, D.
AUTHORS: Kawashima, E.
AUTHORS: Jongeneel, C.V.
AUTHORS: Shakhov, A.N.
AUTHORS: Nedospasov, S.A.
TITLE: Nucleotide sequence of the murine TNF locus, including the
TITLE: TNF-alpha (tumor necrosis factor) and TNF-beta (lymphotoxin)
JOURNAL: Nucleic Acids Res.
VOLUME: 15
ISSUE: 21
PAGES: 9083-9084
DATE: 1987-11-11
DATABASE ACCESSION NUMBER: Y00467 Genbank
DATABASE ENTRY DATE: 1993-05-11
US-09-313-932-107

Query Match 1.5%; Score 115.4; DB 4; Length 7208;
Best Local Similarity 79.2%; Pred. No. 2.6e-21;
Matches 137; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 1840 TTTTGTCTAGTCTTTTCAAGACAGAGTTCTGTAGCCCTGCTGCT 1899
DB 602 TTTTGTCTAGTCTTTTCAAGACAGAGTTCTGTAGCCCTGCTGCT 543
QY 1900 GGAACCTACTCTGTAGCAAGAGCTGCTGCTGCTGCTGCTGCT 1959
DB 542 GAACTCCTCTGTAGCAAGAGCTGCTGCTGCTGCTGCTGCTGCT 483
QY 1960 GGAAGTCTGATTAAGATGCTGCTGCTGCTGCTGCTGCTGCT 2012
DB 482 CAAGTCTGGGATTAAGGCTGTGCTGCTGCTGCTGCTGCTGCT 430

RESULT 14
US-09-245-041-3/C
Sequence 3, Application US/09245041
Patent No. 6274339
GENERAL INFORMATION:
APPLICANT: Moore, K.
APPLICANT: Nagle, D.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY
FILE REFERENCE: 7853-136
CURRENT APPLICATION NUMBER: US/09/245,041
EARLIER FILING DATE: 1999-02-05
EARLIER APPLICATION NUMBER: 60/093,630
EARLIER FILING DATE: 1998-07-21
EARLIER APPLICATION NUMBER: 60/104,978
NUMBER OF SEQ ID NOS: 131
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 17056
TYPE: DNA
ORGANISM: Mus musculus
US-09-245-041-3

Query Match 1.5%; Score 114.4; DB 4; Length 17056;
Best Local Similarity 79.1%; Pred. No. 8.7e-21;
Matches 136; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 1840 TTTTGTCTAGTCTTTTCAAGACAGAGTTCTGTAGCCCTGCTGCT 1899
DB 10492 TTTTGTCTAGTCTTTTCAAGACAGAGTTCTGTAGCCCTGCTGCT 10433
QY 1900 GGAACCTACTCTGTAGCAAGAGCTGCTGCTGCTGCTGCTGCT 1959
DB 10432 GGAACCTACTCTGTAGCAAGAGCTGCTGCTGCTGCTGCTGCT 10373
QY 1960 GGAAGTCTGATTAAGATGCTGCTGCTGCTGCTGCTGCTGCT 2011
DB 10372 CGAGTCTGGGATTAAGGCTGTGCTGCTGCTGCTGCTGCTGCT 10321

RESULT 15
US-08-781-891-209
Sequence 209, Application US/08781891
Patent No. 6090620
GENERAL INFORMATION:
APPLICANT: Fu, Ying-Hui
APPLICANT: Yu, Chang-En
APPLICANT: Oshima, Junko
APPLICANT: Mulligan, John T.
APPLICANT: Schellenberg, Gerald D.
TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
NUMBER OF SEQUENCES: 209
CORRESPONDENCE ADDRESSES:
ADDRESS: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/781,891
FILING DATE: 27-DEC-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: No. 6090620Cenbury Ph.D., Carol
REGISTRATION NUMBER: 39,317
REFERENCE/DOCKET NUMBER: 240052, 419
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-9900
TELEFAX: (206) 622-6031
INFORMATION FOR SEQ ID NO: 209:
SEQUENCE CHARACTERISTICS:
LENGTH: 51259 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-781-891-209

Query Match 1.4%; Score 112; DB 3; Length 51259;
Best Local Similarity 71.2%; Pred. No. 8.3e-20;
Matches 148; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 1854 TTTAGTTTCAAGACAGAGTTCTGTAGCCCTGCTGCTGCTGCT 1913
DB 39674 TTTGTTTGTAGACAGAGTTCTGTAGCCCTGCTGCTGCTGCT 39733
QY 1914 AGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1973
DB 39734 AGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 39793

